

Title (en)
PURIFICATION OF MODIFIED CYTOKINES

Title (de)
AUFREINIGUNG MODIFIZIERTER CYTOKINE

Title (fr)
PURIFICATION DE CYTOKINES MODIFIÉES

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Application
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Abstract (en)
[origin: WO2010008823A2] The invention provides an efficient method of purification of a modified cytokine. The process includes the use of a chromatographic technique for the purification of the desired cytokine. The purified cytokine can be used as a therapeutic composition.

IPC 8 full level
C07K 14/505 (2006.01); **C07K 1/18** (2006.01)

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Citation (search report)

- [Y] WO 2006126066 A2 20061130 - AVESHTA GENGRAINE TECH PVT LTD [IN], et al
- [A] WO 2006105426 A2 20061005 - NEOSE TECHNOLOGIES INC [US], et al
- [Y] CHUN-TING YUEN ET AL: "Relationships between the N-glycan structures and biological activities of recombinant human erythropoietins produced using different culture conditions and purification procedures", BRITISH JOURNAL OF HAEMATOLOGY, vol. 121, no. 3, 1 May 2003 (2003-05-01), pages 511 - 526, XP055024713, ISSN: 0007-1048, DOI: 10.1046/j.1365-2141.2003.04307.x
- [A] C. W. HANCHER ET AL: "Recovery of erythropoietin from anemic sheep plasma", BIOTECHNOLOGY AND BIOENGINEERING, vol. 16, no. 8, 1 August 1974 (1974-08-01), pages 1069 - 1079, XP055024530, ISSN: 0006-3592, DOI: 10.1002/bit.260160807
- [A] GUPTA S ET AL: "Screening and confirmation of recombinant human erythropoietin and darbepoietin-alpha in spiked plasma samples from drug-free horses", ANALYTICA CHIMICA ACTA, ELSEVIER, AMSTERDAM, NL, vol. 552, no. 1-2, 3 November 2005 (2005-11-03), pages 96 - 109, XP027730216, ISSN: 0003-2670, [retrieved on 20051103]
- [A] ALOIS JUNGBAUER AND CHRISTINE MACHOLD: "Chapter 16: chromatography of proteins", JOURNAL OF CHROMATOGRAPHY LIBRARY, ELSEVIER, AMSTERDAM, NL, vol. 69 Part B, 1 January 2004 (2004-01-01), pages 669 - 737, XP008150843, ISSN: 0301-4770, DOI: 10.1016/S0301-4770(04)80029-0
- See references of WO 2010008823A2

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